

CLAIMS

- 1 1. A secure printing system comprising:
2 a remote print system configured to provide a user with an encryption key,
3 receive information encrypted using the encryption key, decrypt the information with
4 a corresponding decryption key, and enable the information, once decrypted, to be
5 printed.
- 1 2. The secure printing system of claim 1, wherein said remote print system
2 generates the encryption key and the corresponding decryption key.
- 1 3. The secure printing system of claim 1, further comprising:
2 a printing device configured to print hardcopy of the information; and
3 wherein said remote print system is implemented by the printing device.
- 1 4. The secure printing system of claim 3, wherein said printing device includes a
2 display device; and
3 wherein the encryption key is displayed to the user via the display device.
- 1 5. The secure printing system of claim 1, wherein the remote print system has a
2 an address usable for providing information to the remote print system via a
3 communication network; and
4 wherein the remote print system is configured to provide the user with the
5 address.

1 6. The secure printing system of claim 1, further comprising:
2 a data retrieval/encryption system arranged at a location remote from the
3 remote print system, the data retrieval/encryption system being configured to
4 communicate with the remote print system via a communication network, the data
5 retrieval/encryption system being further configured to receive the encryption key and
6 information corresponding to information that the user intends to print such that the
7 data retrieval/encryption system locates the information that the user intends to print,
8 encrypts the information that the user intends to print using the encryption key, and
9 communicates the information in an encrypted form to the remote print system.

1 7. The secure printing system of claim 6, wherein the data retrieval/encryption
2 system is configured to communicate to the user, via the communication network, that
3 information is available for printing such that, if the user desires the information to be
4 printed, the user can obtain an encryption key from the remote print system and
5 communicate the encryption key to the data retrieval/encryption system for use in
6 encrypting the information to be printed.

1 8. The secure printing system of claim 1, further comprising:
2 a print request system communicating with the data retrieval/encryption
3 system, the print request system being configured to receive the encryption key and
4 information corresponding to information that the user intends to print such that the
5 print request system communicates the encryption key and the information
6 corresponding to information that the user intends to print to the data
7 retrieval/encryption system.

1 9. The secure printing system of claim 8, wherein the print request system is
2 implemented by a portable computing device.

1 10. The secure printing system of claim 9, wherein the portable computing device
2 communicates with the data retrieval/encryption system via wireless communication.

1 11. A secure printing system for printing information, the information being stored
2 in memory at a location remote from a user, the information being accessible to the
3 user via a communication network, said secure printing system comprising:

4 a remote print system arranged at a location remote from the information and
5 configured to provide a user with an encryption key,

6 said remote print system being configured to communicate with the
7 communication network such that said remote print system receives information
8 encrypted using said encryption key,

9 said remote print system being further configured to decrypt said information
10 with a corresponding decryption key, and enable said information, once decrypted, to
11 be printed.

1 12. The secure printing system of claim 11, further comprising:
2 means for providing the user with said encryption key.

1 13. The secure printing system of claim 12, wherein said means for providing the
2 user with said encryption key is a display device.

1 14. The secure printing system of claim 11, further comprising:
 2 a printing device configured to print hardcopy of said information; and
 3 wherein said remote print system is implemented by said printing device such
 4 that, once said information is decrypted using said decryption key, said printing device
 5 is enabled to print said information as hardcopy.

1 15. A method for secure printing of information transmitted via a communication
 2 network, the information being stored in memory at a first location remote from a
 3 user, the information being accessible to the user via the communication network, said
 4 method comprising:
 5 providing the user with an encryption key;
 6 receiving, at a second location remote from the first location, information
 7 encrypted using the encryption key via the communication network;
 8 decrypting the information with a corresponding decryption key; and
 9 enabling the information, once decrypted, to be printed.

1 16. The method of claim 15, further comprising:
 2 providing the user with an address usable for providing information to the
 3 second location via the communication network.

1 17. The method of claim 15, wherein the encryption key is provided to the user
 2 visually.

1 18. A method for secure printing of information transmitted via a communication
 2 network, the information being stored in memory at a first location remote from a
 3 user, the information being accessible to the user via the communication network, said
 4 method comprising:

5 enabling an encryption key to be received at a second location remote from the
 6 first location;

7 enabling information that is to be printed to be identified; and

8 enabling the encryption key and information corresponding to the information
 9 that is to be printed to be transmitted to the first location via the communication
 10 network such that the information that is to be printed is encrypted using the
 11 encryption key, transmitted to the second location via the communication network,
 12 decrypted using a corresponding decryption key, and printed.

1 19. The method of claim 18, wherein enabling the encryption key and information
 2 corresponding to the information that is to be printed to be transmitted comprises:

3 enabling the encryption key and information corresponding to the information
 4 that is to be printed to be transmitted via wireless communication.

1 20. The method of claim 18, wherein enabling an encryption key to be received at
 2 a second location remote from the first location comprises:

3 enabling the user to provide the encryption key.